

WHAT IS CLAIMED IS:

1. A process for selectively authorizing the connection of external equipment to a data bus, by an exchange of data between an equipment set and the data bus via a communication interface, wherein:

detection information for an external equipment set is input to the data bus by way of a user interface;

the detection information is transmitted to an authorization system connected with the data bus;

detection information of the external equipment set is extracted from the data transmitted from the external equipment set via the communication interface to the data bus;

based on detection information input from the data bus via the user interface, and on the detection information transmitted from the equipment, the authorization system checks whether a communication is to be established between the data bus and the equipment set to be selectively coupled, and the result of the check is made available as authorization information; and

when the authorization information is positive, the authorization system permits communication to the equipment set,

by means of the communication interface, whereby components linked to the data bus via the data bus exchange data with the external equipment.

2. The process according to Claim 1, wherein the authorization system makes available the status of the communication as connection information.

3. The process according to Claim 1, wherein the detection information, the authorization information and the connection information of the external equipment are stored by an authorization system assigned to the data bus and are updated in the event of changes.

4. The process according to Claim 1, wherein in the event of a change of the detection information for external equipment, the authorization system implements a new check of the authorization.

5. The process according to Claim 1, wherein the coupling of the external equipment to the communication interface takes place via wireless data transmission.

6. The process according to Claim 1, wherein data transmission between the external equipment and the communication interface takes place in an encrypted mode.

7. A data bus having a communication interface and at least one component equipped with a microcomputer, wherein:

authorization information can be transmitted to the component via a user interface;

the component has a storage device for the storage of authorization data; and

data can be transmitted via the communication interface, from an external equipment set which can be optionally connected with the data bus;

wherein the data bus has an authorization system which analyzes whether a data communication is to be established, based on the detection information for external equipment stored in the storage device and on detection information transmitted by the external equipment.

8. The data bus according to Claim 7, wherein detection information establishes or terminates the connection to the external equipment via the communication interface, based on an analysis of the detection information.

9. The data bus according to Claim 7, further comprising a comparison device which compares the detection information transmitted from an external equipment set to the communication interface, with detection information for the external equipment set stored in the storage device and, in the case of a match, authorizes the connection.

2025-03-18 10:08:41